

**FORM**  
**5**Rev  
02/08State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

**DRILLING COMPLETION REPORT**

This form is to be submitted within 30 days of the setting of production casing, the plugging of a dry hole, the deepening or sidetracking of a well, or any time the wellbore configuration is changed. If the well is deepened or sidetracked a new Form 5 is required. If an attempt has been made to complete/produce a well, then the operator shall submit Form 5A (Completed Interval Report.) If the well has been plugged, a form 6 (Well Abandonment Report) is required.

Document Number:

400117961

Completion Type ☒ Final completion ☐ Preliminary completion

1. OGCC Operator Number: 46685 4. Contact Name: Paul Belanger  
2. Name of Operator: KINDER MORGAN CO2 CO LP Phone: (970) 882-2464  
3. Address: 17801 HWY 491 Fax: (970) 882-5521  
City: CORTEZ State: CO Zip: 81321

5. API Number 05-033-06137-00 6. County: DOLORES  
7. Well Name: DOE CANYON Well Number: 4  
8. Location: QtrQtr: LOT 27 Section: 6 Township: 40N Range: 17W Meridian: N  
Footage at surface: Distance: 335 feet Direction: FSL Distance: 1465 feet Direction: FWL  
As Drilled Latitude: 37.749859 As Drilled Longitude: -108.774020

## GPS Data:

Data of Measurement: 11/14/2009 PDOP Reading: 6.0 GPS Instrument Operator's Name: Gerald G. Huddleston

## \*\* If directional footage

at Top of Prod. Zone Distance: \_\_\_\_\_ feet Direction: \_\_\_\_\_ Distance: \_\_\_\_\_ feet Direction: \_\_\_\_\_  
Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_  
at Bottom Hole Distance: \_\_\_\_\_ feet Direction: \_\_\_\_\_ Distance: \_\_\_\_\_ feet Direction: \_\_\_\_\_  
Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

9. Field Name: DOE CANYON 10. Field Number: 17210  
11. Federal, Indian or State Lease Number: COC09415

12. Spud Date: (when the 1st bit hit the dirt) 08/17/2007 13. Date TD: 09/16/2007 14. Date Casing Set or D&A: 09/11/2007

## 15. Well Classification:

☐ Dry ☐ Oil ☐ Gas/Coalbed ☐ Disposal ☒ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ Observation16. Total Depth MD 9073 TVD \_\_\_\_\_ 17 Plug Back Total Depth MD 8899 TVD \_\_\_\_\_18. Elevations GR 7595 KB 7614

One paper copy of all electric and mud logs must be submitted, along with one digital LAS copy as available.

## 19. List Electric Logs Run:

Hardcopy of logs submitted with horizontal completion report: DUAL LATEROLOG, MUDLOG.  
The LAS file attached is a composite suite of logs coming from the company's Petra database.

20. Casing, Liner and Cement:

### CASING

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Top	Cmt Bot	Status
CONDUCTOR	24	14		0	65	80	0	65	VISU
SURF	12+1/4	9+5/8	36	0	3,167	1,180	0	3,167	CALC
1ST	8+3/4	7	29/32	0	8,898	2,000	0	8,898	CALC
OPEN HOLE	6			8898	9,073	100	8,898	9,073	CALC

### ADDITIONAL CEMENT

Cement work date: 09/11/2007

Details of work:

Top Out: Method = N/A cement circulated to surface, fell back a little and then topped out by pouring cement into annulus; cement bottom in annulus indeterminate

Conductor Cement

cement with ready-mix to surface

Surface Cement

Date Cemented: 8/22/2007

Lead : 880 sx 65/35/G/Poz, 6% Gel, 1/8# Polyflake, 5# Gilsonite

Tail : 300 sx Class G, 1/8# Polyflake, 1/10% Halad-9

Note : circ 234 sx to pit, top out csg w/ 18 sx Class G

Prod Cement

Date Cemented: 9/11/2007

Lead: 1700 sx 50/50/G/POZ, 2% Gel, 2/10% Versaset

Foamed w/ N2

Tail: 300 sxs 50/50/G/POZ, 2% Gel, 2/10% Versaset

Note : circ 12 sx to pit, top out csg w/ 100 sx Class G

Method used	String	Cementing tool setting/pref depth	Cement volume	Cement top	Cement bottom
	SURF		18	0	
	1ST		100	0	

21. Formation log intervals and test zones:

### FORMATION LOG INTERVALS AND TEST ZONES

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analyses must be submitted to COGCC)
	Top	Bottom	DST	Cored	
PARADOX	5,623	5,923	<input type="checkbox"/>	<input type="checkbox"/>	
DESERT CREEK	5,923		<input type="checkbox"/>	<input type="checkbox"/>	
LEADVILLE	8,708		<input type="checkbox"/>	<input type="checkbox"/>	

Comment:

READY TO FINISH AFTER: CLARIFICATIONS:

NEED TO find out from Valerie how to finish casing info - basis; are there CBLs etc.

This is the Pilot hole (-00) completion report for subsequent horizontal (-01) that has already been submitted to COGCC.

General procedures: After the 7" first string/"production", stainless steel casing is cemented in place, a 6" pilot hole is drilled to TD. The OH well is then logged, the OH wellbore cemented with around 100 sx cement and a kickoff plug emplaced at the KOP determined by analyzing the logs (see "whipstock" cement summary in those cases).

That defines the completion time for this pilot/stratigraphic vertical wellbore (-00 well). Generally the rig is released and another directional rig is moved into place at a later date (in some instances

it may be the same rig) and the horizontal horizontal well drilled to the azimuth and distance per the APD of the well permit. The well is completed OH and NOT logged,

nor any further cement work done. A directional survey is completed for the horizontal well and submitted with the completion report for the -01 horizontal wellbore.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_

Print Name: Paul E. Belanger

Title: Regulatory Consultant

Date: 1/24/2011

Email: Paul\_Belanger@KinderMorgan.com

### **Attachment Check List**

Att Doc Num	Name
400117961	FORM 5 SUBMITTED
400120653	OPERATIONS SUMMARY
400120656	LAS-ELECTRONIC
400120659	PDF-MUD
400120660	TIF-INDUCTION
400122982	CEMENT JOB SUMMARY
400126746	WELLBORE DIAGRAM

Total Attach: 7 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>

Total: 0 comment(s)